

Title (en)

ROLL COVERED WITH SILICONE MATERIAL AND METHOD FOR PRODUCING SAME

Publication

EP 0320533 B1 19900926 (EN)

Application

EP 87118873 A 19871218

Priority

- EP 87118873 A 19871218
- JP 29931186 A 19861216

Abstract (en)

[origin: EP0320533A1] This invention provides a silicone elastomer-covered roll consisting essentially of a central roll axle that is in contact with an inner layer of cured silicone elastomer having a hardness value no greater than 30 on the JIS A scale and an outer layer of cured silicone material having a hardness in excess of that of the inner layer. The roll is resistant to assuming a permanent compression set during use, in addition to exhibiting excellent soiling resistance. In particular, when used as a fixing roll in an electrophotographic copier, the contact area with the hard roll can increase, resulting in a clear image on the copy paper.

IPC 1-7

G03G 15/20; **G03G 15/16**; **G03G 21/00**

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

- Patents Abstracts of Japan, vol. 11, no. 68(P-553)[2515], 28. Febr. 1987 & JP-A-61231578
- Patents Abstracts of Japan, vol. 11, no. 9 (P-534)[2456], 10. Jan. 1987 & JP-A-61185775
- Patents Abstracts of Japan, vol. 11, no. 9 (P-534)[2456], 10. Jan. 1987 & JP-A-61184575
- Patents Abstracts of Japan, vol. 8, no. 60 (P-262)[1497], 22. March 1987 & JP-A-58209768
- Patents Abstracts of Japan, vol. 10, no. 364 (P-524)[2421], 5. Dec. 1987 & JP-A-61158362

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US5711072A; EP0469629A3; US5420679A; EP0773486A1; US5770298A; US10295935B2; WO2016066232A1

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